

# PATENT ABSTRACTS OF JAPAN

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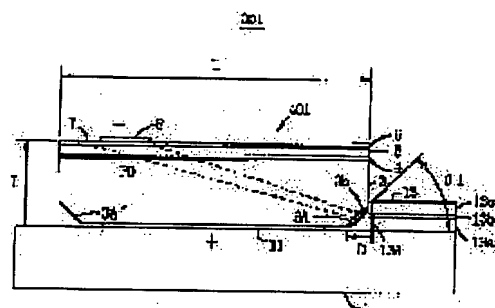
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## (54) LIGHT RECEIVING ELEMENT AND ITS OPTICAL MODULE AND OPTICAL UNIT

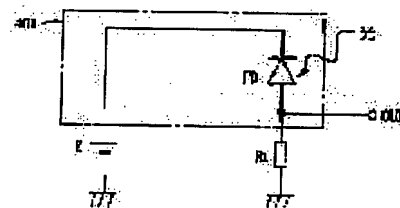
### (57)Abstract:

PROBLEM TO BE SOLVED: To provide a light receiving element and its optical module and optical unit wherein miniaturization, high level integration, massproduction and cost reduction in a bevel incidence type light emitting element are realized.

SOLUTION: A slant surface 3A is formed in the light receiving pass on the substrate side of a light receiving element wherein a light beam enters from the substrate side of a semiconductor element. A light beam refracted or reflected on the slant surface is introduced into a photodetecting part PD on the junction side. In this light receiving element, a first electrode 8 corresponding to the photodetecting part PD on the junction side is installed. A second electrode 11 for applying a backward bias to a photodiode acting as the photo detecting part PD is formed on the main surface of the substrate 3 side which faces the junction side.



(A)



(B)

## LEGAL STATUS

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